THE BRITISH JOURNAL FOR THE PHILOSOPHY OF SCIENCE

VOLUME 49

1998

Published for the
British Society for the Philosophy of Science
by Oxford University Press

CONTENTS

SURVEY ARTICLE

Page
1 VERISIMILITUDE:THE THIRD PERIOD
Ilkka Niiniluoto

ARTICLES

31 PROBABILITIES AND EPISTEMIC PLURALISM
Eric Christian Barnes
49 HUME ON MIRACLES: BAYESIAN INTERPRETATION, MULTIPLE TESTIMONY, AND THE EXISTENCE OF GOD
Rodney D. Holder
67 NEWCOMB'S PARADOX REALIZED WITH BACKWARD CAUSATION
Jan Hendrik Schmidt
89 CONDITIONALIZING ON KNOWLEDGE
Timothy Williamson
199 A NEW PERSPECTIVE ON THE RACE DEBATE
Robin O. Andreasen
227 MAD DOG NATIVISM
Fiona Cowie
253 APPROXIMATE TRUTH AND DYNAMICAL THEORIES
Peter Smith
279 A MODEST PROPOSAL FOR INTERPRETING STRUCTURAL EXPLANATIONS
Mariam Thalos
371 CHANCE, CREDENCE, AND THE PRINCIPAL PRINCIPLE
Robert Black
387 A CONSISTENT RESTRICTION OF THE PRINCIPLE OF INDIFFERENCE
Paul Castell
397 GALILEO AND THE INDISPENSABILITY OF SCIENTIFIC THOUGHT
Tamar Szabo Gendler
425 MATHEMATICAL CONSTRUCTIVISM IN SPACETIME
Geoffrey Hellman
451 ABSOLUTE VERSUS RELATIONAL SPACETIME: FOR BETTER OR WORSE, THE DEBATE GOES ON
Carl Hoefer
469 BLACK BOX INFERENCE: WHEN SHOULD INTERVENING BE POSTULATED?
Elliott Sober
531 UNDERSTANDING ELECTROMAGNETISM
Gordon Belot
557 INDIVIDUALISM AND THE NATURE OF SYNTACTIC STATES
Thomas Bontly
575 EVOLUTIONARY PSYCHOLOGY AND THE MASSIVE MODULARITY HYPOTHESIS
Richard Samuels
603 MATHEMATICAL EXPLANATION AND THE THEORY OF WHY-QUESTIONS
David Sandborg

DISCUSSIONS

123 COMMENTS ON LARAUDOGOITIA'S 'CLASSICAL PARTICLE DYNAMICS, INDETERMINISM AND A SUPERTASK'
John Earman and John D. Norton
297 THE VIENNA CIRCLE'S 'ANTI-FOUNDATIONALISM'
Thomas Oberdan
625 COMPETENCE AND THE CLASSICAL CASCADE: A REPLY TO FRANKS
Sarah Patterson

REVIEW ARTICLES

135 THE VIEW FROM NO-WHEN
Craig Callender
309 HINTIKKA'S REVOLUTION: *THE PRINCIPLES OF MATHEMATICS REVISITED*
Roy Cook and Stewart Shapiro
317 COPENHAGEN VS BOHEMIAN INTERPRETATIONS OF QUANTUM THEORY
Barry Loewer

REVIEWS

161 JOHN P. BURGESS AND GIDEON ROSEN A SUBJECT WITH NO OBJECT: STRATEGIES FOR NOMINALISTIC INTERPRETATION OF MATHEMATICS
Bob Hale
168 PETER CARRUTHERS LANGUAGE, THOUGHT AND CONSCIOUSNESS: AN ESSAY IN PHILOSOPHICAL PSYCHOLOGY
Andrew Woodfield
175 ROBERT CUMMINS REPRESENTATIONS, TARGETS AND ATTITUDES
Graham Macdonald
181 DOUGLAS EHRING CAUSATION & PERSISTENCE: A THEORY OF CAUSATION
Helen Beebee
185 HANS RADDER IN AND ABOUT THE WORLD: PHILOSOPHICAL STUDIES OF SCIENCE AND TECHNOLOGY
Towfic Shomar
189 EDWARD STEIN WITHOUT GOOD REASON: THE RATIONALITY DEBATE IN PHILOSOPHY AND COGNITIVE SCIENCE
JONATHAN ST. B. T. EVANS AND DAVID E. OVER RATIONALITY AND REASONING
Peter Carruthers
329 MICHAEL BITBOL SCHRODINGER'S PHILOSOPHY OF QUANTUM THEORY
Michael Dickson
332 JAMES T. CUSHING, ARTHUR FINE AND SHELDON GOLDSTEIN (EDS.) BOHEMIAN MECHANICS AND QUANTUM THEORY: AN APPRAISAL
Craig Callender
338 JOHN EARMAN BANGS, CRUNCHES, WHIMPERS AND SHRIEKS: SINGULARITIES AND CAUSALITIES IN RELATIVISTIC SPACETIME
Mauro Dorato
348 JAMES M. HUMBER AND ROBERT F. ALMEDER (EDS.) WHAT IS DISEASE?
Dylan Evans

351 KEVIN KELLY THE LOGIC OF RELIABLE ENQUIRY
Patrick Suppes
355 MARTIN H. KRIEGER CONSTITUTIONS OF MATTER: MATHEMATICALLY MODELLING THE MOST EVERYDAY OF PHYSICAL PHENOMENA
Steven French
359 JOSEPH ROUSE ENGAGING SCIENCE: HOW TO UNDERSTAND ITS PRACTICES PHILOSOPHICALLY
Thomas Uebel
365 MICHAEL TOOLEY TIME, TENSE AND CAUSATION
Robin Le Poidevin
499 S.Y.AUYANG HOW IS QUANTUM FIELD THEORY POSSIBLE?
Michael Redhead
508 BARRY GOWER SCIENTIFIC METHOD: AN HISTORICAL AND PHILOSOPHICAL INTRODUCTION
John Losee
511 ANTHONY O'HEAR BEYOND EVOLUTION: HUMAN NATURE AND THE LIMITS OF EVOLUTIONARY EXPLANATION
David L. Hull
515 MICHAEL RUSE MONAD TO MAN: THE CONCEPT OF PROGRESS IN EVOLUTIONARY BIOLOGY
Ron Amundson
522 L. S. SCHUMAN TIME'S ARROWS AND QUANTUM MEASUREMENT
Huw Price
637 JEFFREY BUB INTERPRETING THE QUANTUM WORLD
Laura Ruetsche
642 PAUL E. GRIFFITHS WHAT EMOTIONS REALLY ARE: THE PROBLEM OF PSYCHOLOGICAL CATEGORIES
Peter Goldie
649 PETER MITTELSTAEDT THE INTERPRETATION OF QUANTUM MECHANICS AND THE MEASUREMENT PROCESS
Douglas Kutach
652 MICHAEL D. RESNIK MATHEMATICS AS A SCIENCE OF PATTERNS
STEWART SHAPIRO PHILOSOPHY OF MATHEMATICS: STRUCTURE AND ONTOLOGY
Mark Colyvan